



National Environmental Achievement Track

Application Form

Baxter Healthcare Corp. of Puerto Rico

Name of facility

Baxter Healthcare, Inc.

Name of parent company (if any)

Road 721, Km. 0.3,

Street address

Calle Mercedita Serralles

Street address (continued)

Aibonito, Puerto Rico 00705

City/State/Zip code

Give us information about your contact person for the
National Environmental Achievement Track Program.

Name Evet L. Vera

Title Environmental Manager

Phone (787)735-8021 ext. 2228

Fax (787)735-6343

E-mail verae@baxter.com

Why do we need this information?

EPA needs background information on your facility to evaluate your application.

What do you need to do?

- Provide background information on your facility.
- Identify your environmental requirements.

Section A

Tell us about your facility.

1 What do you do or make at your facility?

Baxter Healthcare Corporation of Puerto Rico, Inc. at its facility in Aibonito, P.R. manufactures medical devices used for the administration of fluids, drugs, blood and irrigating solutions and other ancillary products.

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC
3841

NAICS

3 Does your company meet the Small Business Administration definition of a small business for your sector?

☐ Yes

☒ No

4 How many employees (full-time equivalents) currently work at your facility?

☐ Fewer than 50

☐ 50-99

☐ 100-499

☐ 500-1,000

☒ More than 1,000

Section A, continued

5 Does your facility have an EPA ID number(s)?

☒ Yes

☐ No

If yes, list in the right-hand column.

PRD000706465

PRR05A533

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right **or** enclose a completed Checklist with your application.

See Environmental Requirements Checklist (Attached)

7 Check the appropriate box in the right-hand column.

☐ I've listed the requirements above.

☒ I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

At Baxter Aibonito we are totally committed to continuous improvement not only in the manufacturing phase of the business but also in the environmental aspect of the business. We set goals, measure progress and communicate results. Compliance with this policy is the responsibility of every associate. Through the implementation and use of our environmental policy, we are able to establish pollution prevention programs and environmental evaluations during initial stages of our projects. This helps us in the identification of the significant aspects of our processes that may affect the environment so we can develop action plans to attain the established objectives and goals, eliminating the possibilities of impacting the environment in any way harmful. This commitment is proven by our ISO 14001 certification since February 2000. Through the implementation of the Pollution Prevention Program and employee involvement, several projects to reduce hazardous and non-hazardous waste and air emissions were identified and implemented. Solvent dispensers redesign, absorbing sponge size reduction, chemical management and awareness training are some examples of initiatives that resulted, by the end of 1998, in a 58% reduction of hazardous waste generation in the last ten years. Non-

Hazardous waste disposed offsite was reduced by 60% in the last 10 years, recycling 55% of them. Air toxic emissions were also reduced by 72% in the last 10 years, even though we had an increase of 51.8% in the production level in the same time frame. With regards to waste water discharges we have continuously worked on reducing the volume and improving the quality of the water. We are now participating of the EPA Design for the Environment (DFE) by using products that have zero potential for damaging the environment for metal cleaning applications and are expanding to other areas, such as laundry detergents. We participate in many environmental initiatives such as the "Puerto Rico Conservation Trust", a non-for-profit corporation dedicated to the conservation of our natural resources. We belong to the program "Friends of the P.R. Conservation Trust" and encourage the participation of our associates by conducting educational campaigns and paying a percent of their membership to the "Friends Program. We belong to the "Adopt A Road" program sponsored by PR Department of Transportation, we integrate local schools in the "Baxter Aibonito Environmental Fair" and conduct research activities at the "San Cristobal Canyon" with associates and families. We also sponsored the "P.R. First Congress of Environmental Education", Road cleaning and Reforestation campaigns as well as the Aibonito City recycling program. For our commitment to the environment, in 1996 we received an award from the Puerto Rico Solid Waste Authority known as the "Flor De Margarita Award" for our non-hazardous waste reduction program and recycling program. In 1999 we were awarded the Adopt A Road Program outstanding industry recognition. The Baxter Corporate Environment, Health & Safety Office distinguished the Aibonito facility in 1999 with the Best EHS Program Award for its excellence while working under severe conditions after the passing of hurricane Georges.

Section B

Tell us about your EMS.

Why do we need this information?

Facilities must have an operating Environmental Management System (EMS) that meets certain requirements.

What do you need to do?

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.

1 Check **yes** if your EMS meets the requirements for each element below as defined in the instructions.

a. Environmental policy ☒ Yes

b. Planning ☒ Yes

c. Implementation and operation ☒ Yes

d. Checking and corrective action ☒ Yes

e. Management review ☒ Yes

2 Have you completed at least one EMS cycle (plan-do-check-act)? ☒ Yes

3 Did this cycle include both an EMS and a compliance audit? ☒ Yes

4 Have you completed an objective self-assessment or third-party assessment of your EMS? ☒ Yes

If yes, what method of EMS assessment did you use?

☒ Self-assessment

☐ GEMI ☒ Other

☐ CEMP Baxter Environmental, Health and Safety Standard

☒ Third-party assessment

☒ ISO 14001 Certification

☐ Other

Why do we need this information?

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

What do you need to do?

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

Section C

Tell us about your past achievements and future commitments.

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

Note to small facilities: If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

First aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Hazardous Waste Generation	.01834	Lbs./Prod. Hrs.	.01775	Lbs./Prod. Hr.
<ol style="list-style-type: none">i. How is the current level an improvement over the previous level? Our current level of hazardous waste generation represents a reduction of 3.2% over the previous level.ii. How did you achieve this improvement? Providing training to those generating the waste, emphasizing on the impact their jobs have on the environment and how they can make a difference and contribute to the minimization of hazardous waste by maximizing the use of hazardous material and insuring a good management of these materials. Providing operator controlled satellite accumulation areas in each production room and keeping a log of waste generated by department. This number is discussed at monthly Environmental, Health and Safety (EHS) meetings, which gives employees an incentive to reduce the generation of waste.				

Second aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
Hazardous Air Pollutants Emissions (HAP's)	Quantity 0.00708	Units Lbs./Prod. Hrs.	Quantity 0.00321	Units Lbs./Prod. Hr.
<p>i. How is the current level an improvement over the previous level?</p> <p>Our current level of HAP's emissions represents a 54.6% reduction from our previous level..</p>				
<p>ii. How did you achieve this improvement?</p> <p>With the elimination of Ethylene Oxide (ETO) Sterilization at the end of 1997 beginning of 1998, we experienced the stated reduction in HAPs. We are now evaluating the codes that are being sterilized with ETO for their conversion to GAMMA sterilization to further reduce our contribution to this air contaminant.</p>				

- 2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

Note to small facilities: If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

First aspect you've selected

- a. What is the aspect? Water Usage/Discharge
- b. Is this aspect identified as significant in your EMS? ☒ Yes ☐ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☐ Option A:
Absolute value (Quantity/Units)
- ☒ Option B:
In terms of units of production or output 6.24 Gal./Prod. Hr. (Quantity/Units)

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

- ☐ Option A:
Absolute value (Quantity/Units)
- ☒ Option B:
In terms of 5 Gal./Prod. Hr.
units of production (Quantity/Units)
or output

e. How will you achieve this improvement?

Water usage/waste water discharge has continuously being reduced at the facility by installing automatic toilet and sink water devices and water saving campaigns. Our previous level, two years ago was 8.06 Gal./Prod.-Hr which represents a 22.6% reduction in water discharge. More recently we have identified several opportunities to reduce wastewater discharges as well as water usage in our processes. Some of the projects have been completed and others are in the installation phase. The projects are the following;

1. Elimination of GAMMA discharge - By installing a new deionization system, 600 gallons of water are saved per month.
2. Reprogramming washing machines at laundry helped reduce in half the daily discharges of this operation (from 2,600 to 1,300 gal. per day).
3. Consolidation of boiler room waters and Wet Kits discharge for future evaporation/condensation for re-use.
4. Installations of a SAMSCO water saver evaporation system to process 4,800 gal. per day with a 97% evaporation effectiveness. These waters will be re-injected into the well water tank to be reused in our processes. This project will save water by recycling it and will extend the life of the deep well by reducing the amount of water to be pumped daily from the well.
5. Gown Wash Frequency Reduction - A protocol has been developed to evaluate the reduction in gowns wash frequency in each department. This project will significantly reduce the water usage and wastewater discharge. As a minimum, a 50% reduction should be obtained.

After completing the projects mentioned above, we will have zero process water discharge as defined by the National Pretreatment Standard.

We are also looking for alternatives in laundry detergent and hand soap to further improve the quality of our domestic/sanitary water discharges.

Second aspect you've selected

a. What is the aspect?

b. Is this aspect identified as significant in your EMS?

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

e. How will you achieve this improvement?

Emission of Ozone Depleting Substances

☒ Yes ☐ No

☐ Option A:
Absolute value

(Quantity/Units)

☒ Option B:
In terms of
units of production
or output

0.00426 Lbs./Prod. Hr.
(Quantity/Units)

☒ Option A:
Absolute value

0.0
(Quantity/Units)

☐ Option B:
In terms of
units of production
or output

(Quantity/Units)

Efforts to eliminate ODS from our inventory by phasing out the use of Freon 113 have been initiated. Two years ago, we had an emission rate of 0.00562 Lbs./Prod. Hr of the ODS and have since reduced it 24.2% based on the current rate. Codes using ODS have been evaluated with non-ODS and protocols have been successful. High volume codes are already using a solvent with zero depleting potential. This effort will continue until all codes are using non-ODS.

Third aspect you've selected

- a. What is the aspect? Energy Usage
- b. Is this aspect identified as significant in your EMS? ☒ Yes ☐ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☐ Option A:
Absolute value (Quantity/Units)
- ☒ Option B:
In terms of units of production or output 10.37 KWH/Pro.Hr.
(Quantity/Units)
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:
Absolute value 1%/year
(Quantity/Units)
- ☐ Option B:
In terms of units of production or output (Quantity/Units)
- e. How will you achieve this improvement?
1. Continuous Aggressive Energy Saving Campaigns to encourage employees to take measures in the working areas to save energy by turning off the lights, computers and other electric equipment when not in use.
 2. Light sensor installation in all administrative offices.
 3. Installation of energy efficient equipment when replacing old equipment is a requirement.
 4. Installation of a utilities computer control system (METASIS) to identify losses in the systems and eliminate or reduce them.

Fourth aspect you've selected

- a. What is the aspect? Material Reuse (PVC)
- b. Is this aspect identified as significant in your EMS? ☐ Yes ☒ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:
Absolute value 16,000 Lbs./Yr.
(Quantity/Units)

☐ Option B:
In terms of
units of production (Quantity/Units)
or output

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:
Absolute value 240,000 Lbs./Yr.
(Quantity/Units)

☐ Option B:
In terms of
units of production (Quantity/Units)
or output

e. How will you achieve this improvement?

A PVC reuse project developed by the Scrap Exterminators Working Team is being implemented in the Extrusion and Plastic Cells production areas. Scrap material will be regrinded for mixing with virgin material for reprocessing in the Extrusion area. A percent of the regrinded material will be sold as raw material to a Baxter Sister Plant for reuse in manufacturing a medical device. We continue to investigate the opportunities for re-using the scrap material in the manufacturing process. Injection Molding is another area where various plastic resins are being regrinded for mixture with virgin material for re-use.

Section D

Tell us about your public outreach and reporting.

Why do we need this information?

Facilities must demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

What do you need to do?

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

1 How do you identify and respond to community concerns?

At Baxter Aibonito we have developed a very active Community Outreach Program to familiarize the community with our operations and educate them in environmental matters. Every year we conduct an Environmental Fair in which the community is invited to participate. Local schools are invited to exhibit environmental projects and are brought in to see the exhibits in recycling, , pollution prevention projects, and technology, etc. We also bring in speakers to discuss topics of interest to our associates and the community, such as water conservation, reforestation, energy saving and pollution prevention. Written educational material is made available to participants. We conduct cleaning campaigns of roads in the vicinity of the plant as well as reforestation efforts with the participation of the community , municipal and state government representatives and students from local schools.

2 How do you inform community members of important matters that affect them?

We attend meetings conducted by a community group "Rescate Ambiental Aiboniteño". At these meetings, different environmental topics affecting the community are discussed. We also form part of the Municipal Committee for Emergency Response, where we provide support during any emergency, whether it is an environmental emergency or a natural disaster. Our Environmental Policy is posted in the company's entrance lobby and is made available to the public upon request. At the beginning of employment our associates (employees) are given an environmental awareness training and our procedure on how to obtain the right answer to any of their environmental questions or concerns.

3 How will you make the Achievement Track Annual Performance Report available to the public?

- ☒ Website www.
☒ Newspaper
☒ Open Houses
☐ Other

4 Are there any ongoing citizen suits against your facility?

☐ Yes ☒ No

If yes, describe briefly in the right-hand column.

5 List references below

	<i>Organization</i>	<i>Name</i>	<i>Phone number</i>
<i>Representative of a Community/ Citizen Group</i>	Rescate Ambiental Aiboniteño	Amárilis Pagán Jimenez	(787)735-3200
	Puerto Rico Conservation Trust "Amigos Program"	Maribel Rodríguez	(787)722-5834
<i>State/Local Regulator</i>	Environmental Quality Board	José Vega	(787)864-0103
	Department of Environmental and Natural Resources	Sonia Santiago	(787)8644776
<i>Other community/local reference</i>	Local Emergency Response Committee	Javier Berrios	(787)735-0100
	Bonifacio Sánchez Jimenez High School	Lucia Figueroa	(787)7354631

Section E

Application and Participation Statement.

On behalf of Baxter Healthcare Corp. in Aibonito, PR
[my facility],

I certify that

- I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;
- I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date

Printed Name/Title Edwin Betancourt/ Plant Manager

Facility Name Baxter Healthcare Corp.

Facility Street Address Road 721, Km. 0.3

Facility ID Numbers PRD000706465
PRR05A533

The National Environmental Performance Track is a U.S. Environmental Protection Agency program. Please direct inquiries to 1-888-339-PTRK or e-mail ptrack@indecon.com. Mail completed applications to:

The Performance Track Information Center
c/o Industrial Economics Incorporated
2067 Massachusetts Avenue
Cambridge, MA 02140